



State Revolving Fund Loan Programs Drinking Water, Wastewater, Nonpoint Source

PRELIMINARY DECISION OF CATEGORICAL EXCLUSION

TO ALL INTERESTED CITIZENS, ORGANIZATIONS AND GOVERNMENT AGENCIES:

CITY OF ELKHART

Preliminary Engineering Report Addendum #1

Anaerobic Digester #3 Roof Replacement and CSO #33 Sewer Separation Phases I-IV

SRF # WW 09 30 20 02

Date: November 6, 2011

Pursuant to IC 4-4-11, the State Revolving Fund (SRF) Loan Program has determined that the project described here and in Elkhart's Preliminary Engineering Report Addendum #1 will have no substantial negative environmental impact. Therefore, the SRF is issuing a preliminary decision of Categorical Exclusion from the requirements of substantive environmental review.

How were environmental issues considered?

The National Environmental Policy Act requires agencies disbursing Federal funds to include environmental factors in the decision making process. A summary of the project is attached for review. The SRF's preliminary review has found that the proposed project does not require the preparation of either an Environmental Assessment or an Environmental Impact Statement.

Why is additional environmental review not required?

Our environmental review has concluded that the proposed action will not produce significant environmental impacts.

How do I submit comments?

Comments can be submitted to:

Mr. Max Henschen, Senior Environmental Manager
SRF Programs
317-232-8623; mhensche at ifa.in.gov

CATEGORICAL EXCLUSION

I. PROJECT IDENTIFICATION

Project Name and Address: **Anaerobic Digester #3 Roof Replacement and CSO
#33 Sewer Separation Phases I-IV
Preliminary Engineering Report (PER) Addendum #1,**
City of Elkhart
1201 Nappanee Street
Elkhart, IN 46516

SRF Project Number: WW 09 30 20 02

Authorized Representative: The Honorable Dick Moore, Mayor

II. PROJECT LOCATION

Elkhart is located in Elkhart County. The city will implement two wastewater projects:

- 1) The anaerobic digester #3 roof replacement project will take place at the wastewater treatment plant (WWTP) at 1201 Nappanee Street. The project site is located in Baugo civil township, Township 37N, Range 4E, NE ¼ section 12, Osceola USGS 7.5' quadrangle. See Figure 1.
- 2) The Combined Sewer Overflow (CSO) #33 Sewer Separation projects: Phase I – in Floral Court from Evans Street to Middlebury Street; Phase II – from Gary Court in part of Baker Drive and part of Carolyn Avenue; Phase III – in Evans Street from Carolyn Avenue to Goshen Avenue; and Phase IV – in Middlebury Street from Simpson Avenue to Denver Street. For the most part, these projects are located in Concord civil township, T37N, R5E, NE ¼ section 9 in the Elkhart USGS quadrangle. Phase IV is on the section line between sections 3 and 10, T37N, R5E. See Figure 2.

III. PROJECT NEED AND PURPOSE

Anaerobic Digester #3 Roof Replacement: This project will replace the failed floating roof on digester #3 at the WWTP with a membrane roof. The deteriorated roof allows flammable methane gas to leak, creating a potentially dangerous situation and negatively affecting air quality. Methane gas is used to heat the activated sludge and some buildings at the WWTP, so its loss requires more natural gas to be used at an estimated cost of \$35,000/year. Replacing the floating roof with a membrane roof will allow proper methane gas management and bring the digester back to full operational capacity.

The “No Action” alternative would not correct the leaking methane gas situation and was rejected. The city also rejected replacing the floating roof with another floating roof, due to cost-effectiveness and reliability.

CSO #33 Sewer Separation Phases I-IV: The projects will install approximately 3,298 feet of 12- to 15- inch diameter storm sewer, 28 catch basins and 18 manholes. There are approximately nine combined sewer overflows totaling 4.9 million gallons from CSO #33 into the St. Joseph River each year. The city estimates that the overflow frequency will be reduced by 45 percent and volume reduced by approximately 2.6 million gallons if the four projects are completed.

The “No Action” alternative would not reduce the impact of CSO #33 on the St. Joseph River and would not allow the city to meet its Long Term Control Plan goals.

IV. ESTIMATED PROJECT COST AND FUNDING

Selected Plan Estimated Cost Summary

<u>Construction Components</u>	<u>Cost</u>
1. Anaerobic Digester #3 Roof Replacement	\$1,100,000
2. CSO #33 Sewer Separation Phases I-IV	<u>732,952</u>
Subtotal Estimated Construction Cost	\$1,832,952
Contingencies	<u>183,295</u>
Total Estimated Construction Cost	\$2,016,247
 Non-Construction Costs **	 <u>101,900</u>
Total Estimated Project Cost	\$2,118,147

**includes design, construction engineering and construction observation engineering fees for the projects.

The city will use the remaining loan balance in SRF Loan # WW 09 30 20 02 of \$2,004,706 to fund the digester and sewer separation projects. If bids come in higher than the estimated cost above, the city may eliminate part of the sewer separation projects or fund the difference with local funds.

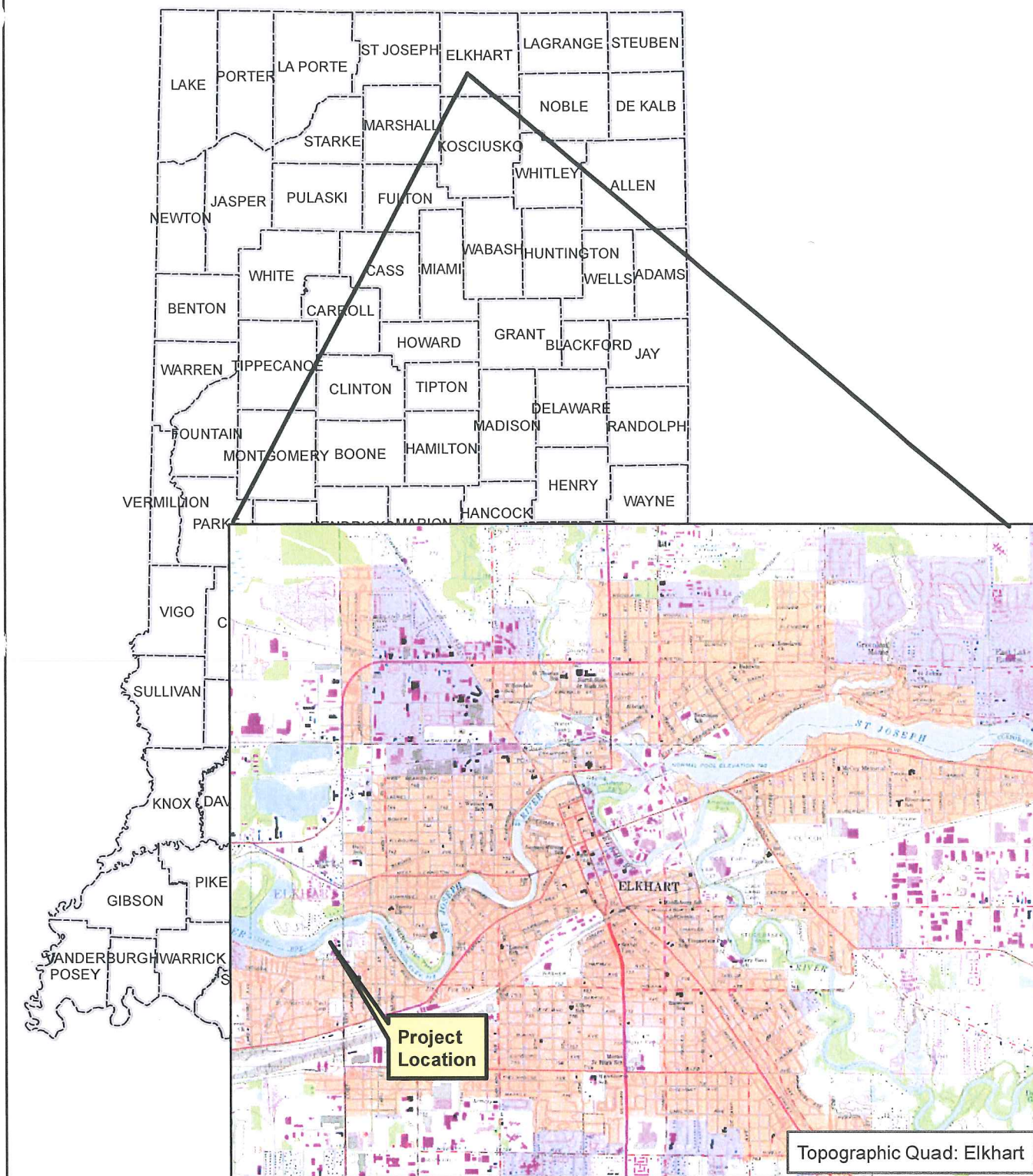
V. ENVIRONMENTAL IMPACTS OF THE FEASIBLE ALTERNATIVES

The projects will not affect surface waters, wetlands, wooded areas, prime farmland, a 100-year floodplain, endangered species, National Natural Landmarks or the Lake Michigan Coastal Zone.

Construction and operation of the projects will not alter, demolish or remove historic properties. If any visual or audible impacts to historic sites occur, they will be temporary and will not alter the characteristics that qualify such properties for inclusion in or eligibility for the National Register of Historic Places. The SRF’s finding pursuant to Section 106 of the Historic Preservation Act is: “no historic properties affected.” See figures 3 and 4.

VI. PUBLIC PARTICIPATION

The city published public notices on June 27, 2011, in the Elkhart Truth newspaper describing the digester roof and sewer separation additions to the original PER.



City of Elkhart
Waste Water State Revolving Fund

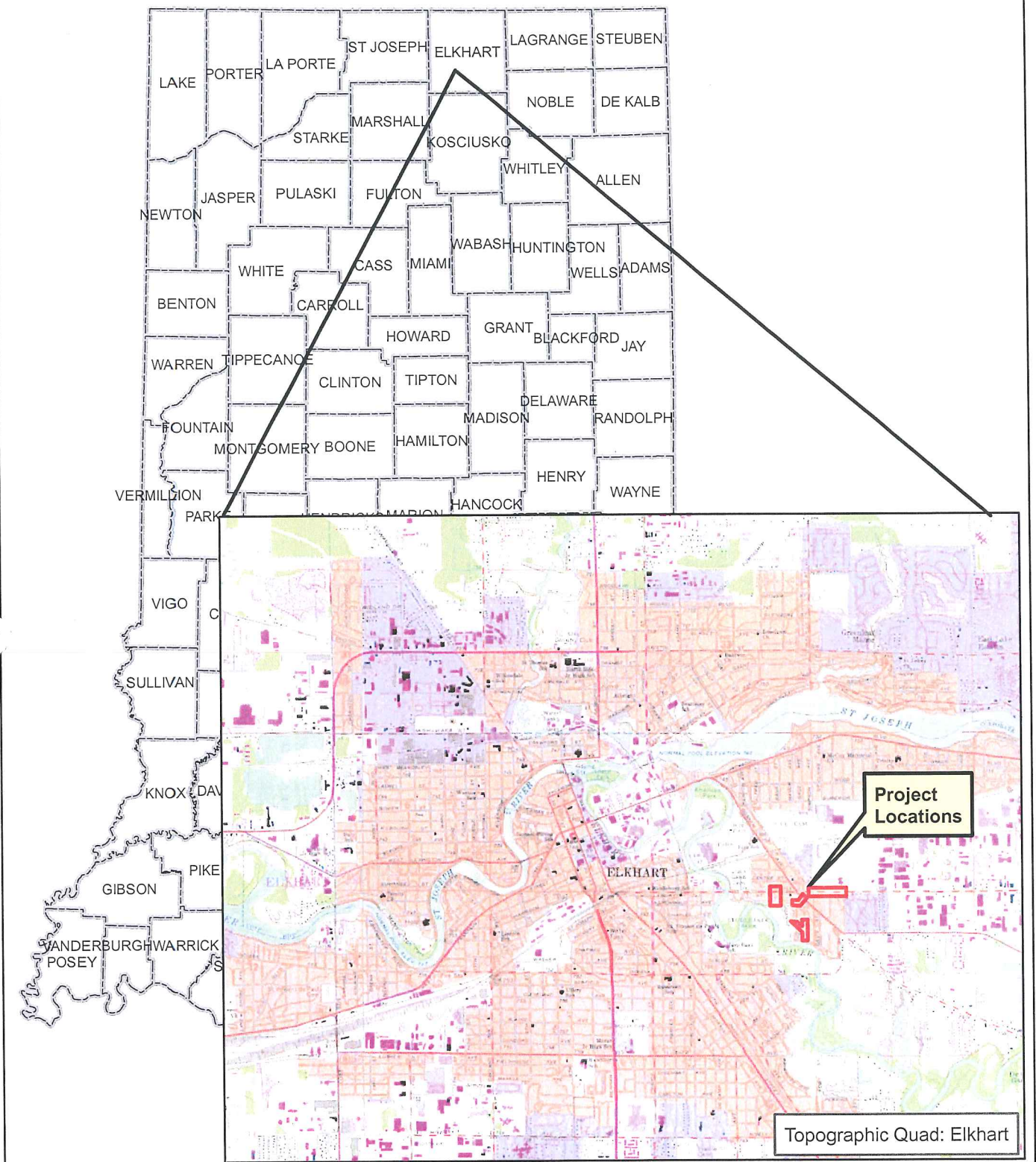
0 95,000 190,000 380,000 Feet



Figure 1: Digester #3 Roof Replacement

1 inch = 196,204 feet

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0 95,000 190,000 380,000 Feet

1 inch = 196,204 feet



Figure 2: CSO #33 Sewer Separation Project Areas

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Revised August 5, 2011; Addendum July 5, 2011

City of Elkhart Engineering Dept. May 2011

[illegible]

ELKHART SCATTERED SITES(33418-423)

No.	Rtg.	Description
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|-----|---|---|
| 418 | N | House: 608 West Blvd. S; Dormer-front bungalow; Craftsman; c.1920; <i>Architect</i> 1860 |
| 419 | C | House: 1637 W Indiana Ave; T-plan; Italianate; c.1870; <i>Architect</i> 1860 |
| 420 | C | House: W. Indiana Ave.; Gabled; ell.; c.1 <i>Architect</i> 1860 |
| 421 | C | House: 2508 Mather Ave.; English; c.1920; <i>Architect</i> 1860 |
| 422 | C | St. Vincent dePaul Cemetery: Nupper Rd, 1881 present; <i>Religion</i> 1860 |
| 423 | O | Jacob Ross House: 2827 CR Dr. Queen Anne; 1887; Outbuilding; carriage; <i>Architect</i> 1860 |



33423 The Jacob Boss House is an exuberant exam-
ple of the Queen Anne style and features a slate roof w/
decorative cresting. Boss was the owner of Boss
Brickyard and the walls of the house measure betwe-
ten and fourteen inches thick.

There are no historic sites located within a 0.25 mile radius of the project limits.

**Figure 3: from Elkhart County Interim Report
Indiana Historic Sites and Structures Inventory**

Background Image: Indiana Historic Sites and Structures Inventory, Elkhart County Interim Report (2005)

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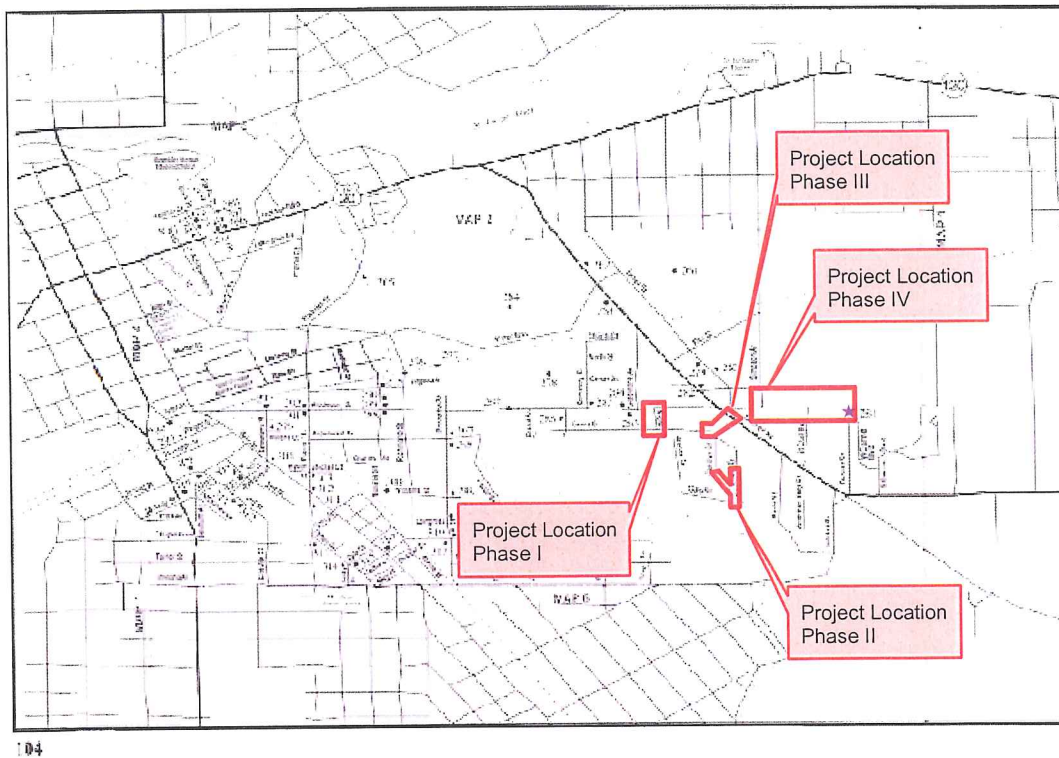
Anaerobic Digester #3 Root Replacement



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Elkhart Scattered Sites Map 5 (33261-320)



HISTORIC PROPERTIES ADACENT TO PROJECT SITE

INVENTORY NO. 039-186-33281 (CONTRIBUTING) - C1920, DOMER-FRONT BUNGLOW-STYLE HOUSE LOCATED AT 1501 MIDDLEBURY STREET.

**Figure 4: from Elkhart County Interim Report
Indiana Historic Sites and Structures Inventory**

City of Elkhart
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CSO #33 Sewer Separation Phase I-IV



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